

Abstract of the Disclosure

A boosting circuit includes first to third charge pump circuits and a switching unit. The first to third charge pump circuit which contains first to 5 third capacitive section charged to the first voltage, respectively. The switching unit connects the first charge pump circuit and the second charge pump circuit in series in response to a first switch signal and a control signal such that a second voltage higher than 10 the first voltage is outputted from a first node to a first internal circuit of a semiconductor device. Also, the switching unit connects the first charge pump circuit, the second charge pump circuit and the third charge pump circuit in series in response to a 15 second switch signal and the control signal, such that a third voltage is outputted from a second node to a second internal circuit of the semiconductor device.